



- APS NOTES:
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
 - THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
 - PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
 - LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
 - APS WILL FUNCTION AS FOLLOWS:

TO CROSS SILVER HILL AT OLD SILVER HILL AND SHOPPING CENTER

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS SILVER HILL AT OLD SILVER HILL AND SHOPPING CENTER, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS OLD SILVER HILL AT SILVER HILL

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS OLD SILVER HILL AT SILVER HILL, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS SHOPPING CENTER AT SILVER HILL

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS SHOPPING CENTER AT SILVER HILL, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

- GEOMETRIC CONSTRUCTION DETAILS:
- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) WITH A RED DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
 - INSTALL CUT-THROUGH WALKWAY AS SHOWN WITH A RED DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
 - INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02) (NOTE: ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
 - INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02). (NOTE: ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
 - BEGIN 12:1 RAMP.
 - 48:1 LEVEL LANDING AREA.
 - TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
 - TIE NEW CURB TO EXISTING CURB AT JOINT.
 - CUT BACK MEDIAN AND INSTALL MONOLITHIC CONCRETE MEDIAN TYPE A-3 (STANDARD NO. MD 645.01).
 - BACKFILL WITH SEED AND MULCH.
 - REPAVE, PER ROADWAY PLAN, WHERE EXISTING MEDIAN WAS REMOVED.
 - INSTALL SLOPED SEPARATION WITH A MAXIMUM HEIGHT OF 3" AT MIDPOINT OF CURB. TIE IN TO PROPOSED RAMP.
 - INSTALL SLOPED SEPARATION WITH A MAXIMUM HEIGHT OF 3" AT MIDPOINT OF CURB (MAX ANGLE DOWN OF 45"). TIE IN TO PROPOSED RAMP.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC CABLES

LEGEND SYMBOL	
	48" SIGNAL POLE FOUNDATION
	36" SIGNAL POLE FOUNDATION
	18" PED POLE FOUNDATION
	'S' SIGNAL CABINET W/PAD
	POWER PEDESTAL
	HANDHOLE
	CONDUIT RUN

GEOMETRIC LEGEND	
---	EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
	NEW SIDEWALK AND ADA HANDICAP RAMP
	NEW CONCRETE (MEDIAN FILL)
	SEED AND MULCH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 458 (SILVER HILL RD) AND
MD 972a (OLD SILVER HILL RD)
PROJECT DESCRIPTION

GEOMETRIC PLAN SHEET

SCALE: 1" = 10' ADVERTISED DATE: 02/2013 CONTRACT NO.: PG7865777

DESIGNED BY: DM	COUNTY: PRINCE GEORGE'S
DRAWN BY: DM	LOGMILE: 16045802.40
CHECKED BY: RM	TMS NO.: K099
F.A.P. NO.:	TOD NO.:

TS NO. 2615C	DRAWING SG-18	OF 23	SHEET NO. OF
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